



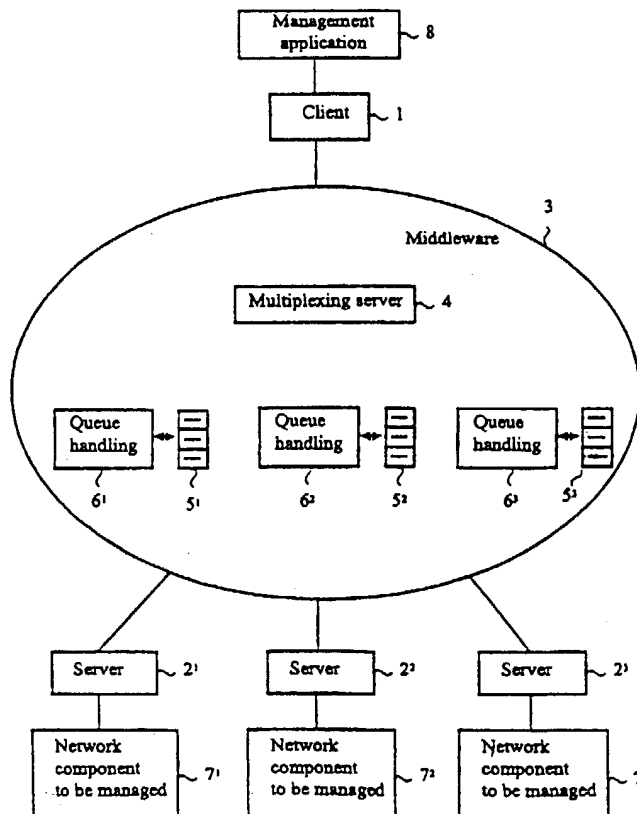
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(54) Title: DISTRIBUTION OF A SERVICE REQUEST IN A CLIENT-SERVER ARCHITECTURE

(57) Abstract

The present invention relates to a system and a procedure for distribution of a service request in a computer system based on a client-server architecture and comprising at least one client (1), which sends service requests to servers (2¹, 2², ..., 2ⁿ); one or more servers (2¹, 2², ..., 2ⁿ), which provide callable services for the client (1); and middleware means (3). According to the invention, the system comprises a multiplexing server (4), by means of which the client's (1) service request is copied and distributed to the servers (2¹, 2², ..., 2ⁿ) for parallel execution; a queue system (5¹, 5², ..., 5ⁿ) for storing service requests not yet executed; and queue handling means (6¹, 6², ..., 6ⁿ), by means of which the service requests placed in the queue system (5¹, 5², ..., 5ⁿ) are passed on for re-execution. The invention allows transparent distribution of the service request, guarantees improved reliability of operation in failure situations and consistency of resources.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 99/00374

A. CLASSIFICATION OF SUBJECT MATTER		
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B. FIELDS SEARCHED		
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Computer, Volume 28, No 4, April 1995, R.M. Adler, "Distributed Coordination Models for Client/Server Computing" page 16, column 1, line 5 - line 17	1-4,7-11,14
A	see whole document --	5-6,12-13
Y	Parallel and Distributed Systems 1996, Proceedings., 1996 Inter., Volume, June 1996, S. Majumdar et al, "Performance of scheduling strategies for client-server systems" page 448, column 2, line 4 - line 8	1-4,7-11,14
A	page 448, column 2, line 4 - line 8; page 450, column 1, line 1 - line 47 --	5-6,12-13
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A

EP 0684558 A1 (INTERNATIONAL BUSINESS MACHINES CORPORATION), 29 November 1995 (29.11.95),
see whole document

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1-13

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